

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>HU/1-22997</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, Item 5 below.</small>	
International application No. <b>PCT/EP2004/053327</b>	International filing date (day/month/year) <b>08/12/2004</b>	(Earliest) Priority Date (day/month/year) <b>17/12/2003</b>
Applicant  <b>CIBA SPECIALTY CHEMICALS HOLDING INC.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regard to the drawings,**

- a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

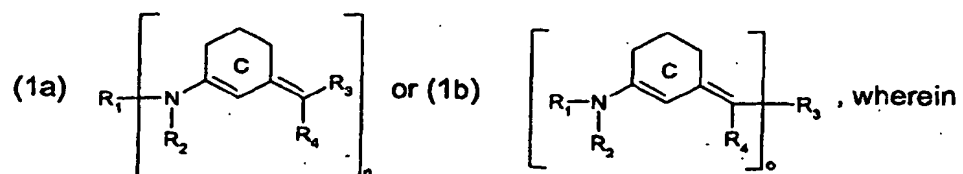
☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

Described are merocyanine derivatives of formula



n and o are integers from 2 to 4 and aminocyclohexenone intermediates. They are used in protecting human and animal hair and skin from UV radiation.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/053327

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/42 C07C255/31 C07C229/46 C07C317/48 C07C225/20  
C07D295/155 C07D295/116 C07D319/06 C07D295/185

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K C07C C07D C08F C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/006878 A (CIBA SC HOLDING AG ; EHLIS THOMAS (DE); EICHIN KAI (DE); WAGNER BARBAR) 22 January 2004 (2004-01-22) claims 1,10,19 page 21 page 25, paragraph 3 compounds MC184-186	1,6,9, 11,15
X	KONDRAT'EVA, G.V. ET AL.: BULL. ACAD. SCI. USSR DIV. CHEM. SCI., 1967, pages 609-614, XP001166946 * page 612, table I, compound XXI * ----- -/-	12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

1 March 2005

Date of mailing of the international search report

30/03/2005

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## INTERNATIONAL SEARCH REPORT

International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CHEMCATS ACS; 23 April 2003 (2003-04-23), XP002319526 retrieved from STN Database accession no. 2001:2069196/AN abstract -----	12
X	DATABASE REGISTRY ACS; 26 March 2003 (2003-03-26), XP002319527 retrieved from STN Database accession no. 500707-74-4/RN abstract -----	12
X	HAYS S J: "SYNTHESIS OF CARBON-14 LABELED CI-926 AND CI-927, NEW ANTIHYPERTENSIVES" JOURNAL OF LABELLED COMPOUNDS AND RADIOPHARMACEUTICALS, SUSSEX, GB, vol. 24, no. 4, 1986, pages 351-360, XP001154221 ISSN: 0362-4803 page 359 -----	12
X	BERTOLASI, V. ET AL.: ACTA CRYSTALLOGRAPHICA SECTION B, vol. 54, no. 1, 1998, pages 50-65, XP001166947 * page 51, compound (9) * -----	12
X	CHEMICAL ABSTRACTS, vol. 62, no. 9, 1965, Columbus, Ohio, US; abstract no.: 10348b, XP002282571 abstract & NEILANDS, O.: LATVIJAS PSR ZINATNU AKAD. VESTIS, KIM. SER., no. 5, 1964, pages 577-588, -----	12
X	MCDougALL, R.H. ET AL.: J. CHEM. SOC. C, 1969, pages 2044-2051, XP001189527 * pages 2048 and 2051, compound XIX * -----	12
X	DATABASE REGISTRY ACS; 28 August 2001 (2001-08-28), XP002319528 retrieved from STN Database accession no. 353268-63-0/RN abstract ----- -/--	12

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE REGISTRY ACS; 28 March 2003 (2003-03-28), XP002319529 retrieved from STN Database accession no. 500884-77-5/RN abstract -----	12
X	DATABASE REGISTRY ACS; 26 February 2002 (2002-02-26), XP002319530 retrieved from STN Database accession no. 395660-48-7/RN abstract -----	12
X	DATABASE REGISTRY ACS; 25 February 2002 (2002-02-25), XP002319531 retrieved from STN Database accession no. 395073-64-0/RN abstract -----	12
X	DATABASE REGISTRY ACS; 28 August 2001 (2001-08-28), XP002319532 retrieved from STN Database accession no. 353268-66-3/RN abstract -----	12
X	SUCROW, W. ET AL.: ZEITSCHRIFT FUER NATURFORSCHUNG TEIL B, vol. 36, no. 3, 1981, pages 339-344, XP001166948 * pages 339, 342, compounds 3a-c *	12
X	DE 24 02 695 A (HOECHST AG) 11 December 1975 (1975-12-11) examples 5,6; table 1 -----	12
X	DATABASE REGISTRY ACS; 22 January 2002 (2002-01-22), XP002319533 retrieved from STN Database accession no. 385381-05-5/RN abstract -----	12
X	IYER, BALKRISHNA: J. INDIAN INST. SCI., SECT. A, vol. 21, 1938, pages 65-75, XP001166949 page 70, compound XXI ----- -/--	12

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International Application No  
PCT/EP2004/053327

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE REGISTRY ACS; 16 November 1984 (1984-11-16), XP002319534 retrieved from STN Database accession no. 20679-36-1/RN abstract</p> <p style="text-align: center;">-----</p>	12
A	<p>DE 35 31 383 A (AGFA GEVAERT AG) 5 March 1987 (1987-03-05) claims 8,9; tables 1-3 page 7, line 38 - page 11, line 26</p>	1-15
A	<p>&amp; US 4 749 643 A 7 June 1988 (1988-06-07) cited in the application</p> <p style="text-align: center;">-----</p>	
A	<p>DATABASE CHEMCATS ACS; 2001, XP002282574 retrieved from STN Database accession no. 2001:944037/AN abstract</p> <p style="text-align: center;">-----</p>	1-4, 11
A	<p>EP 0 852 137 A (BASF AG) 8 July 1998 (1998-07-08) abstract</p> <p style="text-align: center;">-----</p>	1
A	<p>US 4 891 212 A (GOSCINIAK DONALD J ET AL) 2 January 1990 (1990-01-02) claim 1 column 2, line 62 - column 3, line 5</p> <p style="text-align: center;">-----</p>	1
A	<p>WO 00/24369 A (KROL MARIANNA ; SARHAN FATHEY (CA); HUNER NORMAN (CA); IVANOV ALEXANDE) 4 May 2000 (2000-05-04) claims 1,8,9; figure 4</p> <p style="text-align: center;">-----</p>	12, 13

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/053327

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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